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March 20, 2003

Luther Smith, Geologist
Coal, Nuclear and Renewables Division, EI-52
Energy Information Administration
US Department of Energy
Washington, DC 20585

Ref: EPA Contract No. 68-S9-00-10; EPA Work Assignment No. 10-02-09WQ
SAIC Project No. 06-5026-08-0332; Multisite Open Work Assignment
Navajo Mines Site Bureau of Indian Affairs Maps

Dear Mr. Smith:

Enclosed please find copies of the lease and permit maps obtained from the Bureau of Indian Affairs offices in Window Rock, Arizona in 2001. Also included is an index SAIC created.

If you have any questions, please contact Cliff Davis, EPA Civil Investigator at (415) 972-3125.

Sincerely,

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

A handwritten signature in black ink, appearing to read "Robin McGinnis".

Robin McGinnis
Environmental Scientist

Enclosures

cc: Andy Baim, EPA RPM
Cliff Davis, EPA Civil Investigator
Betty Cavanaugh, SAIC Project Manager
SAIC Document Control Officer

MOWA Navajo Mines
Over-Sized Maps obtained from the Bureau of Indian Affairs

Map Number	Folder	Lease Number	Additional Description
2	Texas Zinc Minerals Corp.	14-20-603-1624	Power Lines, Water Line and Effluent Location; Exhibit "A", December 1958
3	Texas Minerals Corp Lease	14-20-603-1624	Mexican Hat Uranium Mill School and Playground Location, 6-6-57
4	Texas-Zinc Minerals Corp.	14-20-603-1624	Exhibit B; Proposed Amendment, Millsite Lease 1420-603-1624; June 4, 1963
5	Texas-Zinc Minerals Corp.	14-20-603-1624	Exhibit A; Millsite Lease; June 4, 1963
6	Vanadium Corp. Of America	I-149-IND-4225	Mineral Survey No. 3700; Arizona Land District; Sunnyside Lode, Variation 15degrees 25minutes East; Surveyed February 16 - April 10, 1921; mining claim of J.L. Wade et al; August 8, 1921.
7	Vanadium Corp. Of America	I-149-IND-4225	Mineral Survey No. 3857; Arizona Land District; Syracuse Lode, Variation 15degrees 15minutes East; Surveyed July 11 - August 4, 1922; mining claim of Geo. O. Williams; October 23, 1922.
8	Vanadium Corp. Of America	I-149-IND-4225	Survey No. 3703; Arizona Land District; Surveyed November 14, 1920 through January 24th, 1921.
9	Vanadium Corp. Of America	I-149-IND-4225	(much of the info is cut off) Surveyed February 1 through April 14, 1921; Eurida Mine.
11	G. Warnock McKinley	N00-C-14-20-5681	Haystack Mountain Topographical Map 103-007-015-T-2; by Todilto Exploration & Development Corp., Albuquerque, New Mexico.
12	Todilto Exploration & Development Corp.	N00-C-14-20-8396	Drill Summary Map - SW 1/4 Section 18 - T 10 N, R 13 W (103-007-015-18) D-14, Haystack Mountain Mine
13	Mobil Oil Corporation	N.A.	Monument Project, McKinley County, New Mexico - Land Plat - Mobil Mining Claim/Mining Lease - Drawing No. 228-A9, Jan. 1973 - Mobil Oil Corporation Uranium Exploration Division
14	Mobil Oil Corporation	N.A.	Land Plat - Crownpoint Project, T 18 N, R 13 W, June 1973, Special Energy Resources; map lists Prospect Permits areas and Proposed Locations. Outside of map is listed as Surface Entry Request, Chaco Land and Cattle Company.
15	Industrial Uranium Co.	14-20-603-2291	Inspection Reports - Sketch Map Starlight Mine 11/58, Scale 1 in= 20ft.
16	Continental Oil Co.	None	Continental Oil Company - Topographic Base Map - Crownpoint Area - Supplement to Plan of Implementation (dated 11/19/73 - Approved 2/4/74) Conoco Lease Boundaries (showing proposed drill sites) No map date
17	Exxon Minerals	N00-C-14-20-7360	Exxon Minerals Company - Tocito - Tocito Dome Area - (date 10/77) Map is in two sections, left panel & right panel
19	Exxon USA	N-7360 Lease Correspondence	1979 Prospecting Report (folder 1105-13a, TRO/1105 17a(2); Tocito Dome, San Juan Co., includes 1980 Disturbed Sites; map is in two sections - left panel & right panel.
20	Exxon USA	N-7360 Lease Correspondence	San Juan Basin - Tocito; map includes 1979 Sites Disturbed No Hole Drilled and 1979 Drill Locations; 1979 Prospecting Report, 1105-13a, TRo1 1105-13(a) 2
21	Exxon USA	W-736	1979 Prospecting Report; Tocito Dome, San Juan Co., includes 1979 Drill Hole Locations..
23	Continental Oil Co.	NOO-C-14-20-5611	New Mexico, McKinley, CONOCO Mining & Milling, Borrego Pass, Drill Hole Location Reserves, 6FT./20, January 1980, Drawing Number MG 001 E
25	Gulf Mineral Resources	NOO-C-14-4494-4517-&1340-135	1979 Drilling Proposal, Thoreau Project in McKinley County, NM, Sec. 24 T.15.N R.13.W, 4/30/79; includes Proposed Drill Hole
26	Gulf Mineral Resources	NOO-C-14-4494-4517-&1340-135	Topographic Map of Ambrosia Project - West Largo Area in McKinley County, New Mexico, September 1975 with Proposed 1977 Drill Holes.
27	Gulf Mineral Resources	NOO-C-14-20-4494-4577 & 1340 135	Thoreau Project, 1977 Drilling Proposal, Proposed Location
28	Kerr McGee Corporation	14-20-0603-358	N.E. Church Rock Area, Allotted Lands Drilling, Contoured on 4/6/69, map date: 10/25/67 (outside of map has 1-28-68
29	Western Nuclear Inc.	14-20-4598-99/4901-02	Uranium Lease, Thoreau Quadrangle, New Mexico-McKinley Co., 7.5 Minute Series (Topographic), U.S. Dept. of the Interior Geological Survey.
30	Western Nuclear Inc.	14-20-4598-9914901-02	Uranium Lease, Section 26--General View, Production Area, Map No. 31-10-134, map date: 10/30/80; map shows these section: North West 1/4 of the Navajo Allotted Contract NOO-C-14-20-4598, South West 1/4 of the Navajo Allotted Contract NOO-C-14-20-4901, North East 1/4 of the Navajo Allotted Contract NOO-C-14-20-4599 & North West 1/4 of the Navajo Allotted Contract NOO-C-14-20-4902.
31	Kerr McGee Corporation	NOO-C-14-20-3894,-3895,-3896	Exploration Plan #2, Topographic Map Of Church Rock III Mine Site, Prepared by Bohannon-Westman-Huston & Assoc., September 1975, Revised 9/30/76 - Exploration Plan 4th Qtr. 1976. T 17 N, R 16 W, Sec. 10.
32	Mobil Oil Corporation	NOO-C-14-20-4955	McKinley (No other descriptions provided on the map)
33	Continental Oil Co.	NOO-C-14-20-5611	CONOCO Minerals Department, UL 2318, Allotment 980, NW 1/4 Sect. 18, T16N R10W, Hole Location Map with Drift.

MOWA Navajo Mines
Over-Sized Maps obtained from the Bureau of Indian Affairs

Map Number	Folder	Lease Number	Additional Description
34	Continental Oil Co.	NOO-C-14-20-5613	CONOCO Minerals Department, UL 2320, Allotment 981, NW 1/4 Sect. 18, T16N R10W, Hole Location Map with Drift.
36	Pathfinder Mines Corp	None	1979 Drilling Program, T15N-R10W, Pathfinder Mines Corp., Exploration Plan No. 2, Borrego Pass Area, McKinley County of New Mexico Pending.
37	Mobil Oil Corporation	N-4916	Interim Mining And Reclamation Plan, Monument - Section 28 Pilot Project N-4916, Pilot Leach Site, Plot Plan.
38	Mobil Oil Corporation	N-4916	Interim Mining And Reclamation Plan, Monument Project Section 28 Pilot Plant, Access Road And Pilot Location, Sheet 1 of 9, Date Completed: Feb. 1980, DWG. No. D-4001-EM-11.
39	Phillips Petroleum co.	NOO-C-14-20-5676	No other description, but area seems to be Thoreau near Smith Lake
40	Mobil Oil Corporation	NOO-C-14-7452	Correspondence; Crownpoint Project, South Unit Area, Plant And Well Field Location, Date: Sept. 1980, revision 4/8/81; T17N R13W.
41	United Nuclear Corporation	NOO-C-14-20-5677	Description hard to read - was received from Bureau of Land Management
42	Mobil Oil Corporation	NOO-C-14-20-7452	Correspondence #2; Uranium/Minerals Division, Crownpoint, New Mexico, Proposed Road R.O.W.'s, Section 16, T17N R13W, Date completed: Nov. 26, 1980; DWG. No. D-4003 EM-20-01.
43	Mobil Oil Corporation	NOO-C-14-20-7452	Correspondence #2; Drill Hole Locations, Section 15 & 16, T17N R13W, Date: 7/17/80.
44	United Nuclear Corporation	NOO-14-20-3840 Thru 3853	Exploration Plans; Dalton Pass, Revised Site Plan , Shaft #1
45	United Nuclear Corporation	NOO-14-20-3840 Thru 3853	Exploration Plans #2; Dalton Pass, Revised Site Plan , Shaft #2
46	United Nuclear Corporation	NOO-14-20-3840 Thru 3853	Exploration Plans #2; Dalton Pass, Revised Site Plan , Shaft #3
47	United Nuclear Corporation	NOO-14-20-3840 Thru 3853	Exploration Plans; Dalton Pass, Revised Site Plan , Shaft #4
48	United Nuclear Corporation	NOO-14-20-3840 Thru 3853	Exploration Plans #2; Dalton Pass, Revised Site Plan , Shaft #5
49	United Nuclear Corporation	NOO-C-14-20-5677	No site indicated on map - other than lease number
50	Phillips Petroleum Co.	NOO-C-14-20-4089	Navajo Tribal Uranium Lease, Sale No.5, McKinley County, New Mexico, Tract Number Number: 62 (2557.06AC), T 17 N, R 14 W N.M. P.M. (has handwritten numbers also)
51	Phillips Petroleum Co.	NOO-C-14-20-4090	Navajo Tribal Uranium Lease, Sale No.5, McKinley County, New Mexico, Tract Number Number: 64 (2557.83AC), T 17 N, R 14 W N.M. P.M.
52	Pioneer Nuclear	None	Map gives legends for Narrow Canyon Project & Former PNI-TEN leases, T17N, T18N, T19N, R14W, R15W, R16W, R17W, R18W and R19W.
53	Exxon	None	Tocito, San Juan Basin, San Juan County, New Mexico, Legends include Holes Drilled In 1978 and Site Disturbed, No Hole Drilled